CLAIMS

What is claimed is:

1. A method of bending Composite Reinforced Pipe (CRP) comprising: placing heater proximate to a longitudinal location along the pipe where the pipe is to be bent;

heating the pipe; bending the pipe at the longitudinal location.

- 2. The method of Claim 1 wherein the pipe is heated such that a composite temperature is slightly below a heat distortion temperature of the composite.
- 3. The method of Claim 1 wherein the pipe is bent incrementally at a plurality of longitudinally displaced locations.
- 4. The method of Claim 1 wherein a plurality of bends effect approximatly 1° of total bend in a longitudinal length equal to a diameter of the CRP.
- 5. The method of Claim 3 wherein the longitudinally displaced locations are separated by a distance equal to approximately 1/4 of a diameter of the pipe.
- 6. The method of Claim 5 wherein the pipe is bent $1/4^{\circ}$ at each location.
- 7. The method of Claim 1 further comprising: preheating the pipe prior to heating the pipe.
- 8. The method of Claim 1 further comprising: capping the pipe to prevent heat loss.
- 9. The method of Claim 1 wherein the heater is an induction heater.
- 10. The method of Claim 7 wherein preheating comprises: introducing hot air into the CRP.
- 11. An apparatus for bending a section of composite reinforced pipe comprising: a frame;
 - a die mounted on the frame;
 - a pin up shoe for securing the section of pipe against the die;

- a stiffback movably mounted on the frame for bending the section of pipe against the die;
 - a heater for elevating the temperature of the section of pipe; and means for longitudinally positioning the section of pipe in the apparatus.
- 12. The apparatus of claim 11 wherein the heater is an induction heater.
- 13. The apparatus of claim 12 wherein the heater encircles the section of pipe.
- 14. The apparatus of Claim 11 wherein the die is segmented.
- 15. The apparatus of Claim 11 further comprising:
 an indexing wheel; and
 a controller to activate the die responsive to the indexing wheel.
- 16. The apparatus of Claim 11 wherein the means for longitudinally positioning comprising:
 - a powered roller to translate the pipe in either a forward or reverse direction.